FOREST PRODUCTS RESEARCH IN PICTURES

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UNPROTECTED DOOR RUINED WHEN GLUE YIELDS TO WEATHER

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This built-up door, put together with a glue of low moisture resistance, reached the stage of dilapidation shown here in three years. It is on an open porch without a roof or other protection. Some loosening of the veneer had occured even before the new house was ready for its first tenants. The built-up form of construction used in making most of the doors marketed today is an economical one and generally serviceable but the average door is not built to withstand direct exposure to the weather. Failure of the door pictured here can be traced to the lack of protection, to the faulty glue contact as shown by the spottiness of the peeled area, and to the use of a glue with little moisture resistance. The manufacturer is usually able and willing to supply a door suited to particular needs when he is aware of the conditions which the door is to meet. Carefully regulated gluing conditions and only glues of high water resistance — such as casein glue or blood albumin glue — should be used in the manufacture of built-up doors liable to be exposed to considerable moisture.

Photograph by Forest Products Laboratory, U. S. Forest Service